

09 /463590

WO 99/06061

PCT/US98/15563

420 Rec'd PCT/PTO 26 JAN 2000

SEQUENCE LISTING

<110> The Administrators of the Tulane Educational Fund
Landry, Samuel J.

<120> PREDICTION, DETECTION AND DESIGN OF
T-CELL EPITOPE

<130> 07005/003WO2

<140> NOT KNOWN

<141> 1998-07-28

<150> 60/054,156

<151> 1997-07-29

<160> 2

<170> FastSEQ for Windows Version 3.0

<210> 1.

<211> 513

<212> PRT

<213> Bacteriophage T4

<400> 1

Met Arg Val Lys Gly Ile Arg Lys Asn Tyr Gln His Leu Trp Lys Trp
1 5 10 15
Gly Ile Met Leu Leu Gly Ile Leu Met Ile Cys Ser Ala Ala Glu Asn
20 25 30
Leu Trp Val Thr Val Tyr Tyr Gly Val Pro Val Trp Lys Glu Ala Thr
35 40 45
Thr Thr Leu Phe Cys Ala Ser Asp Ala Lys Ala Tyr Asp Thr Glu Val
50 55 60
His Asn Val Trp Ala Thr His Ala Cys Val Pro Thr Asp Pro Asn Pro
65 70 75 80
Gln Glu Val Val Leu Glu Asn Val Thr Glu Asn Phe Asn Met Trp Lys
85 90 95
Asn Asn Met Val Glu Gln Met His Glu Asp Ile Ile Ser Leu Trp Asp
100 105 110
Gln Ser Leu Lys Pro Cys Val Lys Leu Thr Pro Leu Cys Val Thr Leu
115 120 125
Asn Cys Thr Asn Val Asn Val Thr Asn Leu Lys Asn Glu Thr Asn Thr
130 135 140
Asn Ser Ser Ser Gly Gly Glu Lys Met Glu Glu Gly Glu Met Lys Asn
145 150 155 160
Cys Ser Phe Asn Val Thr Thr Leu Ile Arg Asn Lys Arg Lys Thr Glu
165 170 175
Tyr Ala Leu Phe Tyr Lys Leu Asp Val Met Pro Ile Asp His Asp Asn
180 185 190
Thr Ser Tyr Thr Leu Ile Asn Cys Lys Ser Ser Thr Ile Thr Gln Ala
195 200 205

Cys Pro Lys Val Ser Phe Glu Pro Ile Pro Ile His Tyr Cys Ala Pro
 210 215 220
 Ala Gly Phe Ala Ile Leu Lys Cys Asn Asp Lys Lys Phe Asn Gly Lys
 225 230 235 240
 Gly Pro Cys Lys Asn Val Ser Thr Val Gln Cys Thr His Gly Ile Arg
 245 250 255
 Pro Val Val Ser Thr Gln Leu Leu Leu Asn Gly Ser Leu Ala Glu Glu
 260 265 270
 Asp Ile Val Ile Arg Ser Glu Asn Phe Thr Asp Asn Ala Lys Asn Ile
 275 280 285
 Ile Val Gln Leu Asn Val Ser Ile Glu Ile Asn Cys Thr Arg Pro Asn
 290 295 300
 Asn Asn Thr Arg Lys Lys Ile Thr Leu Gly Pro Gly Arg Val Leu Tyr
 305 310 315 320
 Thr Thr Gly Glu Ile Ile Gly Asp Ile Arg Arg Ala His Cys Asn Leu
 325 330 335
 Ser Arg Thr Ser Trp Asn Asn Thr Leu Lys Gln Ile Val Glu Lys Leu
 340 345 350
 Arg Glu Ile Lys Gln Phe Lys Asn Lys Thr Ile Val Phe Lys Gln Ser
 355 360 365
 Ser Gly Gly Asp Pro Glu Ile Val Met His Ser Phe Asn Cys Gly Gly
 370 375 380
 Glu Phe Phe Tyr Cys Asn Ser Thr Gln Leu Phe Asn Ser Thr Trp His
 385 390 395 400
 Ala Asn Gly Thr Trp Lys Asn Thr Glu Gly Ala Asp Asn Asn Ile Thr
 405 410 415
 Leu Pro Cys Arg Ile Lys Gln Ile Ile Asn Arg Trp Gln Glu Val Gly
 420 425 430
 Lys Ala Met Tyr Ala Pro Pro Ile Glu Gly Gln Ile Arg Cys Leu Ser
 435 440 445
 Asn Ile Thr Gly Leu Leu Leu Thr Arg Asp Gly Gly Ser Ser Glu Glu
 450 455 460
 Asn Gln Thr Glu Ile Phe Arg Pro Gly Gly Asn Met Lys Asp Asn
 465 470 475 480
 Trp Arg Ser Glu Leu Tyr Lys Tyr Lys Val Val Lys Ile Glu Pro Leu
 485 490 495
 Gly Val Ala Pro Thr Lys Ala Lys Arg Arg Val Val Gln Arg Glu Lys
 500 505 510
 Arg

<210> 2
 <211> 112
 <212> PRT
 <213> Human Immunodeficiency Virus

<400> 2
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 Ile Leu Val Ser Glu Pro Ala Gln Ala Gly Asp Glu Glu Val Thr Glu
 20 25 30
 Ser Gly Leu Ile Ile Gly Lys Arg Val Gln Gly Glu Val Pro Glu Leu
 35 40 45

Cys Val Val His Ser Val Gly Pro Asp Val Pro Glu Gly Phe Cys Glu
50 55 60
Val Gly Asp Leu Thr Ser Leu Pro Val Gly Gln Ile Arg Asn Val Pro
65 70 75 80
His Pro Phe Val Ala Leu Gly Leu Lys Gln Pro Lys Glu Ile Arg Lys
85 90 95
Gln Lys Phe Val Thr Cys His Tyr Lys Ala Ile Pro Cys Leu Tyr Lys
100 105 110